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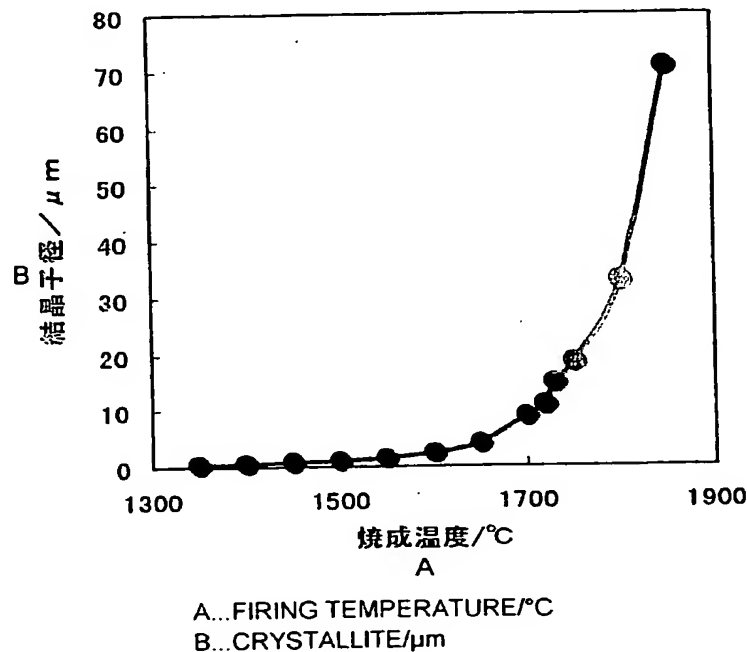
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- (81) 指定国 (国内): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
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[続葉有]

(54) Title: RARE EARTH GARNET SINTERED COMPACT

(54) 発明の名称: 希土類ガーネット焼結体とその製造方法



(57) Abstract: A rare earth garnet sintered compact which is produced by subjecting a rare earth garnet powder such as YAG to a pre-sintering, sintering the pre-sintered product by HIP, and annealing the sintered product at 1100 °C to 1600 °C in a whole oxygen atmosphere under a whole pressure of 4.5 MPa or more, and has an average crystallite diameter of 0.9 to 9 μm, an optical loss coefficient of 0.002 cm⁻¹ or less and a strain of a transmitted wave of 0.05 λ cm⁻¹ or less.

[続葉有]



GR, HU, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI
特許 (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
MR, NE, SN, TD, TG).

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各PCTガゼットの巻頭に掲載されている「コードと略語
のガイダンスノート」を参照。

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP03/00750

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ C04B35/50, 35/44

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ C04B35/50, 35/44

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Kokai Jitsuyo Shinan Koho	1971-2003	Jitsuyo Shinan Toroku Koho	1996-2003

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-158660 A (Kamishima Kagaku Kogyo Kabushiki Kaisha), 12 June, 2001 (12.06.01), Claims; Par. No. [0015] (Family: none)	1-4
A	US 5075267 A (Sumitomo Electric Industries, Ltd.), 24 December, 1991 (24.12.91), Claims; column 2, line 63 to column 3, line 14 & JP 2-229764 A Claims; page 2, lower right column, line 17 to page 3, upper left column, line 11 & EP 385510 A1	1-4

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
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"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

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INTERNATIONAL SEARCH REPORT

International application No.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2001-89225 A (Sumitomo Electric Industries, Ltd.), 03 April, 2001 (03.04.01), Par. Nos. [0026], [0029], [0030] (Family: none)	1-4
A	JP 11-130428 A (Director General of National Institute for Research in Inorganic Materials of Science and Technology Agency), 18 May, 1999 (18.05.99), Par. No. [0026] (Family: none)	1-4
A	JP 2001-158620 A (Shin-Etsu Chemical Co., Ltd.), 12 June, 2001 (12.06.01), Par. No. [0010] (Family: none)	1-4